

**OFFSHORE SUPPLY VESSEL
INSPECTION BOOK**

Name of Vessel		
Official Number	Class	
Date Completed	Location	
Vessel Built in Compliance with SOLAS: 60 74 74/78 N/A		
Route		
Oceans	Limited Coastwise	Lakes / Bays / Sounds
Coastwise	Great Lakes	Rivers
Inspection Type		
Inspection for Certification (COI)		Reinspection
Inspectors		
1. _____	3. _____	
2. _____	4. _____	

[illegible]

Deficiencies identified should be listed with MSIS codes. At completion of inspection/examination, any outstanding deficiencies shall be entered in MIDR or PSDR as appropriate. All deficiencies found (outstanding and completed) shall be entered in the Deficiency Summary. Worklist items, which serve only as memory joggers to complete inspection/examination (e.g., test emergency fire pump), should not be coded as deficiencies.

MSIS Codes for Deficiencies:

BS	Ballast	DC	Dry Cargo	IC	I/C Engine
BI	Bilge	ES	Electrical	LS	Lifesaving
BA	Boiler, Aux.	FF	Firefighting	MI	Miscellaneous
BM	Boiler, Main	FL	Fuel	NS	Navigation
CS	Cargo	GS	General Safety	PP	Propulsion
DM	Deck Machinery	HA	Habitation	SS	Steering
DL	Doc., Lics., Pmts.	HU	Hull		

Use of Offshore Supply Vessel Inspection Book:

This inspection book is intended to be used as a job aid by Coast Guard marine inspectors during hull and machinery inspections of U.S. flagged offshore supply vessels (OSVs) subject to Subchapter L. For OSVs built prior to March 15, 1996, Subchapter I or Subchapter T may apply; therefore, cites from CG-840 HI, CG-840 MI, or CG-840 T may be referenced. The lists contained within this book are not intended to limit the inspection. Each marine inspector should determine the depth of inspection necessary. A checked box should be a running record of what has been inspected. It does not imply that the entire system has been inspected or that all or any items are in full compliance. This job aid does not constitute part of the official inspection record.

This document does not establish or change Federal laws or regulations. References given are only general guides. Refer to IMO publications, CFR's, NVIC's or any locally produced cite guides for specific regulatory references. Not all items in this book are applicable to all vessels.

NOTE: Guidance on how to conduct inspections of U.S. flagged offshore supply vessels can be found in the Marine Safety Manual (MSM) Volume II, Chapter 6: Inspection of Vessels for Certification. All MSM cites listed in this book refer to MSM Volume II unless otherwise indicated.

Pre-inspection Items:

- Review MSIS records.
 - MIPIP
 - MICOI
- Obtain copies of forms to be issued.

Post-inspection Items:

- Issue letters/certificates to vessel.
- Complete MSIS entries.
 - MIAR
 - MSDS
 - MIDR
 - VFLD
 - VFID
- Initiate Report of Violation (ROV) if necessary.

Recommended US Vessel Deficiency Procedures:

Step	Action								
1	Identify deficiency.								
2	Inform vessel representative.								
3	Record on the <i>Deficiency Summary Worksheet</i> (next page).								
4	If deficiency is corrected prior to end of inspection, go to Step 7.								
5	<p>If deficiency is unable to be corrected prior to end of inspection, issue CG-835 in accordance with table below.</p> <table border="1"> <thead> <tr> <th>IF deficiency:</th><th>THEN issue CG-835:</th></tr> </thead> <tbody> <tr> <td> <p>Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g.,</p> <ul style="list-style-type: none"> Missing placards Non-metallic expansion joints if more than 10 years in service </td><td> <p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> "X" number of days At next drydock </td></tr> <tr> <td> <p>Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> Expired international certificates Automation defect Insufficient lifesaving equipment </td><td> <p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> Reduced route Increased crew Fewer offshore workers </td></tr> <tr> <td> <p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> Missing or defective firefighting equipment Structural defect or damage </td><td> <p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> Prior to carrying offshore workers Prior to carrying cargo </td></tr> </tbody> </table>	IF deficiency:	THEN issue CG-835:	<p>Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g.,</p> <ul style="list-style-type: none"> Missing placards Non-metallic expansion joints if more than 10 years in service 	<p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> "X" number of days At next drydock 	<p>Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> Expired international certificates Automation defect Insufficient lifesaving equipment 	<p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> Reduced route Increased crew Fewer offshore workers 	<p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> Missing or defective firefighting equipment Structural defect or damage 	<p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> Prior to carrying offshore workers Prior to carrying cargo
IF deficiency:	THEN issue CG-835:								
<p>Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g.,</p> <ul style="list-style-type: none"> Missing placards Non-metallic expansion joints if more than 10 years in service 	<p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> "X" number of days At next drydock 								
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6	Enter CG-835 data in MIDR.								
7	Enter deficiency data in MSDS.								
8	Initiate Report of Violation (ROV) if necessary.								

Section 1: Administrative Items

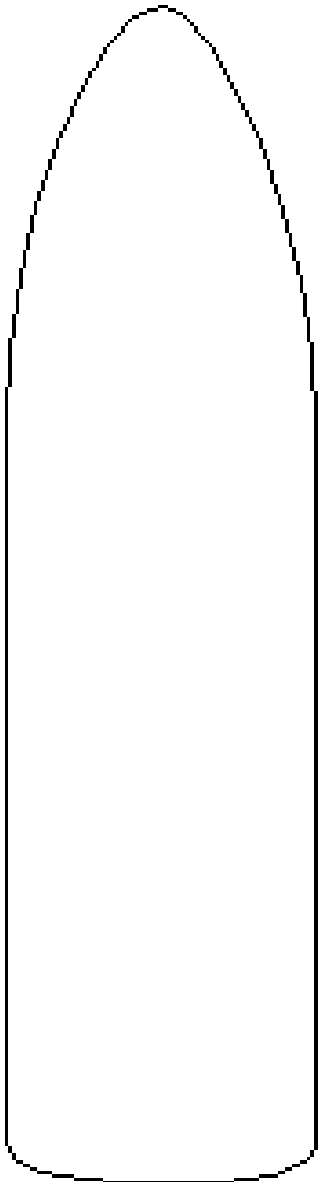
IMO Applicability Dates:

Reference	Date
SOLAS 1960 SOLAS 1974 1978 Protocol to SOLAS 1974 1981 Amendments (II-1 & II-2) 1983 Amendments (III) <i>Various additional amendments to SOLAS</i>	26 MAY 65 25 MAY 80 01 MAY 81 01 SEP 84 01 JUL 86
MARPOL 73/78 Annex I MARPOL 73/78 Annex II MARPOL 73/78 Annex III MARPOL 73/78 Annex V	02 OCT 83 06 APR 87 01 JUL 92 31 DEC 88
IBC Code BCH Code	After 01 JUL 86 Prior to 01 JUL 86
COLREGS 1972 <i>Various additional amendments to COLREGS</i>	15 JUL 77
Load Line 1966	21 JUL 68
STCW 1978 1991 Amendments 1994 Amendments 1995 Amendments	28 APR 84 01 DEC 92 01 JAN 96 01 FEB 97

Section 6: Appendices

Vessel Layout:

Bow



Stern

- Ballast tanks
- Deckhouse location
- Deck cranes
- Fuel tanks
- Cargo tanks
- Peak tanks
- Legs

Vessel Information:

Classification Society	
ISM Issuer: Same as above?	
Yes	No If not the same, which Recognized Organization? _____
NOTE: The period of validity for ISM documents should correspond to the following list. If they do NOT, ISM documents should be further investigated.	
<input type="checkbox"/> 5 years = Full term (SMS and DOC)	<input type="checkbox"/> 12 months = Interim (DOC)
<input type="checkbox"/> 6 months = Interim (SMC)	<input type="checkbox"/> 5 months = Short term (SMC)
Gross Tons	No Change (VFMD)
Net Tons	No Change (VFMD)
Built Date (use delivery date)	No Change (VFCD)
Overall Length (in feet)	No Change (VFMD)

☐ **Fire Drill:**

Location: _____ Time on Scene: _____

Notes: _____

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Name of Certificate	Issuing Agency	ID #	Port Issued	Issue Date	Exp. Date	Endors. Date
International Oil Pollution Prevention (IOPP) No Change						
International Tonnage (ITC) No Change						
Safety Management (SMC) No Change						
Document of Compliance (DOC) No Change						
FCC Station License No Change	FCC					
FCC Safety Certificate No Change	FCC					
FCC Operations Permit No Change	FCC					
FCC Marine Radio Operator Permit No Change	FCC					

Auxiliary Machinery:

- | | |
|--|----------------------------------|
| <input type="checkbox"/> Bilge and ballast systems | 46 CFR 128.440 |
| <ul style="list-style-type: none">• Pumps• Eductors• Emergency bilge pump• Manifold, valves, and piping• Remote controls (hydraulic, pneumatic, manual, electric)• Strainers• Sounding and vent piping• Markings and indicators• Alarm | |
| <input type="checkbox"/> Sea suctions and overboard discharges | MSM Ch. 8.F |
| <input type="checkbox"/> Nonmetallic expansion joints | 46 CFR 61.15-12
MSM Ch. 8.F.3 |
| <ul style="list-style-type: none">• External exam• 10-year service replacement | |
| <input type="checkbox"/> Compressed air system | 46 CFR 58.30 |
| <ul style="list-style-type: none">• Compressor• Controls and gauges• Relief valves | |
| <input type="checkbox"/> Refrigeration and air conditioning systems | 46 CFR 128.410 |
| <input type="checkbox"/> Freshwater systems | |
| <ul style="list-style-type: none">• Pumps• Valves and controls• Air cushion supply line | |

Notes: _____

- | | |
|---|--|
| <input type="checkbox"/> Lifesaving equipment maintenance record | 46 CFR 131.545
SOLAS 74/78 III/19 |
| <input type="checkbox"/> SOLAS training manual | SOLAS 74/78 III/18.2 |
| <input type="checkbox"/> Liftboat operating manual | 46 CFR 134.170 |
| <ul style="list-style-type: none">• Coast Guard approved• Understandable to crew | |
| <input type="checkbox"/> Information available to master | 46 CFR 78.17-20
46 CFR 97.15-5
SOLAS 74/78 II-1/22.1 |
| <ul style="list-style-type: none">• Loading manual• Trim and stability book | |

Pollution Prevention Records:

- | | |
|--|--|
| <input type="checkbox"/> Oil record book (Part 1) | MARPOL Ax. I/20
33 CFR 151.25 |
| <ul style="list-style-type: none">• Each operation signed by person-in-charge• Each complete page signed by master• Book maintained for 3 years | |
| <input type="checkbox"/> Shipboard oil pollution emergency plan | MARPOL Ax. I/26.1
33 CFR 151.26 |
| <ul style="list-style-type: none">• Approved by Coast Guard / class society• Contact numbers correct• Immediate Actions List | |
| <input type="checkbox"/> Vessel response plan
(vessels carrying oil as secondary cargo) | 33 CFR 155.1030 |
| <ul style="list-style-type: none">• Approved by Coast Guard• Annual review by owner / operator | |
| <input type="checkbox"/> Oil transfer procedures | 33 CFR 155.1065
33 CFR 155.1070
33 CFR 155.720 |
| <ul style="list-style-type: none">• Posted• List of products carried by vessel• Description of transfer system including a line diagram of piping• Number of persons required on duty• Duties by title of each person• Means of communication• Procedures to top off tanks• Procedures to report oil discharges | |

Notes: _____

Pressure Vessels:

- ☐ Pressure vessels hydrostatically tested or internally examined
- 46 CFR 61.10
MSM Ch. 6.Q
MSM Vol. IV Ch. 3.I.7

Service	MAWP	Date Tested or Examined Internally	Relief Valve Tested
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

- ☐ Relief valve springs set within range
- 46 CFR 54.15-10(g)

Boilers:

- ☐ Automatic auxiliary boilers
- MSM Ch. 6.H
- Controls and safety devices
 - Fuel systems
 - Alarms
 - Inspections / test
- 46 CFR 63.15-1
46 CFR 63.20
46 CFR 63.15-3
46 CFR 63.15-7
46 CFR 63.15-9

- ☐ Periodic test and inspection of boilers in accordance with 46 CFR Table 61.05-10

Boiler ID Number	Date Hydrostatically Tested	Date Mountings Opened	Date Mountings Removed and Studs Examined	Fireside	Waterside	External

Notes: _____

- ☐ Navigation lights and signals
- Control panels
 - Running lights
 - Anchor lights
 - Special day and night signals
 - Distress signals and stowage
 - Whistle, light, bells, gongs
 - Day and night signal devices
 - Certificate of Alternate Compliance
- 46 CFR 111.75-17(d)
46 CFR 129.430
72 COLREGS
- 46 CFR 133.60
- 33 CFR 81.9
- ☐ Steering gear
- Main gear tested (all stations)
 - Auxiliary gear tested (all stations)
 - Instructions and markings
 - Rudder angle indicator
 - Illumination
 - Alarms
 - Block diagram
- 46 CFR 130.130
46 CFR 130.140
MSM Ch. 14.B
- 46 CFR 131.845
46 CFR 131.850
- 46 CFR 130.460
- ☐ EPIRB (406 MHz)
- Float-free arrangement
 - Battery date current
 - Hydrostatic release
 - Marked with vessel name
- 46 CFR 133.60
SOLAS 74/78 IV/7.1.6
- 46 CFR 131.890
- ☐ 9 GHz radar transponder (SART)
- Vessels > 300 GT and < 500 require 1
 - Vessels > 500 GT require 2
 - Stowed so to be rapidly placed in survival craft, or stowed in survival craft
- SOLAS 74/78 III/6.2
NVIC 9-93

General Health and Safety:

- ☐ Emergency lighting
- Markings
- 46 CFR 112.43
46 CFR 131.840

Notes: _____

Electrical Systems:

NOTE: Guidance for inspecting electrical system items is detailed in NVIC 2-89.

- ☐ Ship's service generators
 - Protective guards 46 CFR 110.10
 - Reverse power relay 46 CFR 111.12
 - Overspeed trip (> 110% < 115%) 46 CFR 129.315
 - Low oil pressure alarm / shutdown 46 CFR 129.320
- ☐ Switchboards (including emergency)
 - Automatic bus transfer SOLAS 74/78 II-1/41
 - Ground detectors MSM Ch. 6.L.4.c
 - Personnel safeguards (guards, rails, mats, etc.) MSM Vol. IV Ch. 3.D.2
 - Drip shields 46 CFR 129.330
 - Warning notices posted MSM Ch. 6.L.4.g
 - Circuit breaker ratings
- ☐ Panelboards 46 CFR 129.330
 - Overcurrent devices
 - Circuit directory
 - Locking device
- ☐ Motor controllers 46 CFR 111.70
 - Drip shields MSM Ch. 6.L.4.i
 - Disconnect switch
 - Wiring diagram posted
 - Remote shutdowns tested
- ☐ Ventilation systems 46 CFR 127.250
 - Remote shutdown tested SOLAS 74/78 II-1/48
 - Machinery space fans
- ☐ Ship's service lighting systems 46 CFR 111.75
 - Panelboards 46 CFR 111.40
 - Circuit directory
 - Circuit breakers
 - Globes and guards 46 CFR 129.410
 - Explosion-proof or watertight (where required)

Notes: _____

- ☐ Paint stowage
 - Fireproof / metal lined 46 CFR 127.220
 - Lighting / electrical 46 CFR 129.520
 - Fire protection 46 CFR 132.310
- ☐ Storerooms
 - Stowage
 - Fire hazards
 - Lighting and wiring

Structural Integrity:

- ☐ Hull structure (list inaccessible compartments or areas) 46 CFR 126.430
 - Decks ICLL 66 Reg. 1
 - Shell
 - Bulkheads
 - Tank tops
 - Strength members
 - Approved plans available 46 CFR 126.150
- ☐ Hull openings and closures 46 CFR 42.15
 - Air ports and dead covers MSM Ch. 6.F.5
 - Closing devices, gaskets ICLL 66 Regs. 12 - 23
 - Light / water test
 - Closed prior to departure 46 CFR 131.520
- ☐ Deck openings and closures MSM Ch. 6.F.5
 - Closing devices, gaskets ICLL 66 Regs. 12 - 20
 - Light / water test
 - Closed prior to departure 46 CFR 131.520
- ☐ Guards, ladders, rails, and gangways 46 CFR 127.310
 - (including accommodation ladders or pilot 46 CFR 127.320
 - ladders) 46 CFR 127.330
 - ICLL 66 Reg. 25

Notes: _____

- ☐ Oily waste retention MSM Ch. 31.D.7
 - Bilge
 - Tank
- ☐ Ballast discharge 33 CFR 155.330
33 CFR 155.350
33 CFR 155.360
33 CFR 155.370
MSM 31.D.10
 - Acceptable processing equipment
- ☐ Oily bilge discharge 46 CFR 155.380
 - Piping system
 - Stop valve
 - Outlet
 - Pump stop
- ☐ Prohibited oil spaces 33 CFR 155.470
- ☐ Emergency shutdown 33 CFR 155.780
- ☐ Oil transfer hose 33 CFR 155.800
 - Condition
 - Markings
 - Hose assembly requirements
 - Record of tests and inspections
- ☐ Garbage 33 CFR 151.63
MARPOL Ax. V/3
 - Shipboard garbage properly disposed
- ☐ Discharge removal equipment 33 CFR 155.220

Notes: _____

Liftboats:

NOTE: Guidance for inspecting liftboats on OSVs is detailed in NVIC 8-91.

- ☐ Legs 46 CFR 134.140
 - Jacking points
 - Pin holes
- ☐ Jacking systems 46 CFR 134.150
 - Loss of power alarm
 - Low hydraulic fluid level alarm
- ☐ Freeboard markings 46 CFR 134.160
- ☐ Firemain suction 46 CFR 134.180
 - Distortion
 - Flanged
 - Attachments

Bulk Tanks:

- ☐ Bulk cargo pressure tanks internally examined 46 CFR 61.10
 - Pumps and controls
 - Relief valves
 - Piping-valves
 - Lighting and wiring
 - Cofferdams

Service	MAWP	Date Tested or Examined Internally	Relief Valve Tested
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Notes: _____

- | | | |
|--|--|--|
| <input type="checkbox"/> Fixed fire extinguishing systems | <ul style="list-style-type: none"> Controls and instructions Alarms tested Piping Heads, distribution Bottles weighed annually Bottles hydrostatically tested (every 12 years) Flexible loops tested or replaced (10% per year) Markings Storage space / door Vent stops | 46 CFR 132.350
SOLAS 74/78 II-2/21
MSM Ch. 18.I.9
NVIC 6-72, Change 1
NVIC 8-73 |
| <input type="checkbox"/> Fire main system and stations | <ul style="list-style-type: none"> Pumps Piping Cut-off valves Drains | 46 CFR 132.100
NVIC 6-72, Change 1
SOLAS 74/78 II-2/4
SOLAS 74/78 II-2/21
46 CFR 132.110
46 CFR 132.130 |
| <input type="checkbox"/> Fire stations | <ul style="list-style-type: none"> Hydrants (2 effective streams) Nozzles and spanners Fog applicators (<6 feet in length, in engineroom) Hose <ul style="list-style-type: none"> UL approved Correct length Markings Equipment compatible | 46 CFR 132.100
NVIC 6-72, Change 1
SOLAS 74/78 II-2/4
SOLAS 74/78 II-2/21
MSM Ch. 18.I.9
MSM Ch. 19.I.7

46 CFR 131.830 |
| <input type="checkbox"/> Total length of all hose tested _____ | <ul style="list-style-type: none"> Hydrostatically tested to at least 100 psi Approved hose Markings | 46 CFR 132.130
46 CFR 132.350
MSM Ch. 18.I.6

46 CFR 131.880 |
| <input type="checkbox"/> Pumps | <ul style="list-style-type: none"> Controls and gauges Relief valves | 46 CFR 132.120 |

Notes: _____

Ground Tackle:

- | | | |
|--|--|-----------------------------|
| <input type="checkbox"/> Anchors | <ul style="list-style-type: none"> Tested Windlass Capstans | 46 CFR 130.240
ABS Rules |
| <input type="checkbox"/> Mooring and towing gear | | 46 CFR 130.250 |

Lifesaving Equipment:

NOTE: General maintenance and tests and inspections of lifesaving equipment is detailed in 46 CFR 131.545 and 46 CFR 133.45, respectively.

- | | | |
|---|--|--|
| <input type="checkbox"/> General alarms | <ul style="list-style-type: none"> Controls Batteries and fuses Tested Markings Bell locations audible Lights for high-noise areas | 46 CFR 113.25
46 CFR 129.530

46 CFR 131.805
46 CFR 131.810

46 CFR 113.25-10 |
| <input type="checkbox"/> Lifeboats stripped, cleaned, and inspected | <ul style="list-style-type: none"> Date of annual servicing _____ Hull and fittings Tanks and fittings Cradles Gripes Compressed air cylinders Markings | 46 CFR 133.105(a)(6)
46 CFR 199.190(f)
46 CFR 199.201
46 CFR 199.202
46 CFR 199.261
46 CFR 199.262
SOLAS 74/78 III/19.2
SOLAS 74/78 III/26
MSM Ch. 6.R.3.e
46 CFR 199.176 |
| <input type="checkbox"/> Rescue boat | <ul style="list-style-type: none"> Approved Required equipment | 46 CFR 133.135

46 CFR 133.175 |

Notes: _____

- ☐ **Ring lifebuoys**
- Lights
 - Lines
 - Smoke signals
 - Markings
- 46 CFR 133.70
SOLAS 74/78 III/7
SOLAS 74/78 III/21
SOLAS 74/78 III/27
MSM Ch. 6.R.3.i
46 CFR 131.875
- ☐ **Line-throwing apparatus**
- Equipment
 - Required drills held
 - Magazine
 - Type
- 46 CFR 133.170
- ☐ **Lifejackets**
- Total _____
- Retro-reflective tape
 - Lights
 - Whistles
 - Stowage
 - Number of lifejackets rejected by inspector _____
- 46 CFR 133.70
SOLAS 74/78 III/7.2.2
MSM Ch. 6.R.3.m
46 CFR 131.875
MSM Ch. 6.R.3.q
- ☐ **Lifejacket stowage**
- Required notices and markings
 - Wearing instructions
- 46 CFR 133.70
SOLAS 74/78 III/7.2
46 CFR 131.875
46 CFR 133.80
- ☐ **Work vests**
- Approved type
 - Stowage
- 46 CFR 131.720
46 CFR 131.710
46 CFR 131.730
- ☐ **Immersion suits**
- Condition
 - Retro-reflective tape
 - Markings
- 46 CFR 133.70
SOLAS 74/78 III/21.4,
27.3, 30.2.7
MSM Ch. 6.R.3.n
46 CFR 131.875
- ☐ **Placard of lifesaving signals**
- 46 CFR 131.950
SOLAS 74/78 V/16
- ☐ **Emergency instructions**
- 46 CFR 133.80
- ☐ **Station bill posted**
- 46 CFR 131.350

Notes: _____

Item Number	Item	International (LB)/ Oceans (RB)		Short International (LB)/ Coastwise (RB)	
		Lifeboat (LB)	Rescue Boat (RB)	Lifeboat (LB)	Rescue Boat (RB)
29	Signal, smoke	2		2	
30	Signal, hand flare	6		6	
31	Signal, parachute flare	4		4	
32	Skates and fenders ⁶	1		1	
33	Sponge ⁵		2		2
34	Survival instructions	1		1	
35	Table of lifesaving signals	1		1	
36	Thermal protective aids ⁷	10%	10%	10%	10%
37	Tool kit	1		1	
38	Tow line ⁸	1	1	1	1
39	Water (liters/person)	3		3	
40	Whistle	1	1	1	1

Footnotes:

- 1 Not required for boats of self-bailing design.
- 2 Not required for inflated or rigid-inflated rescue boats.
- 3 A hatchet counts towards this requirement in rigid rescue boats.
- 4 Oars are not required on a free-fall lifeboat; a unit of oars means the number of oars specified by the boat manufacturer.
- 5 Not required for a rigid rescue boat.
- 6 Required if specified by the boat manufacturer.
- 7 Sufficient thermal protective aids are required for at least 10% of the persons the survival craft is equipped to carry, but not less than two.
- 8 Required only if the lifeboat is also the rescue boat.

- ☐ **Disengaging apparatus examined or tested and marked as required^{*}**
- 46 CFR 199.45(b)
SOLAS 74/78 III/41
MSM Ch. 6.R.3.a
- Universal joints
 - Safety latches
 - Hooks
 - Locking knuckles
 - Frame

Notes: _____
